

Section Innovation Plan Fall 2021

Action Plan Report by Response

Taft College

Date: 09-29-2022

Status: Not Started

Status Summary:

Summary

Term	Total Actions	Completed Actions	Incomplete Actions	Resource Requests
Fall 2021	20	16	4	5

Detail by Response

Section Level Responses					
Expected Action	Action Type	Respondent	Action Taken	Date	Resource Request
MATH/SCI >> Biology >> BIOL1500 >> Section 41 - Fall 2021					

Expected Action	Action Type	Respondent	Action Taken	Date	Resource Request
<p>I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.</p>	<p>Reflection</p>	<p>Anonymous</p>	<p>The outcomes of the Group Life Science Course Project were a bit inconsistent. This was the second semester that I incorporated a soft deadline and a hard deadline for this assignment. The soft deadline allowed me to thoroughly grade student work and provide feedback as a means to increase the students earned score on this assignment when submitting at the hard deadline. The groups that excelled made the necessary changes to their rough draft submitted at the soft deadline in an effort to increase the score earned on the final draft submitted at the hard deadline. I take a significant amount of time providing feedback to each group on their efforts on the Group Project rough draft submission. I grade the rough draft using the same rubric for the Final Group Project submissions. Groups that review the instructor comments/rubric and then make additions to their submissions based on those comments end up earning higher scores than those groups that do not. The student groups that did not do well also demonstrated inadequate ability to effectively research a topic and present information relevant to their theme. Not only were the students deficient in research strategies but the level of writing was far below college level. Several groups proved to be rudimentary in writing skills and also seemed to be unfamiliar with the proper format to cite valid scientific resources. I gave students the option this semester to work in a group or independently with teacher approval. Most students chose to work in a group. There were a handful that chose to submit independently. All students that chose to submit the assignment independently from the get-go submitted on the soft deadline for instructor feedback and again for the hard deadline. These students showed tremendous initiative and earned an A on the assignment. I had some students that asked to work independently after choosing a group. These students were not allowed to pull themselves from their group because too much time had passed. Groups that had full participation did very well. Groups that had low student participation passed the assignment but did not submit improvements. The purpose of the soft deadline was to enable me to provide feedback early on so that each group could modify their presentation based on my feedback and earn a much higher grade at the final submission.</p> <p>I will continue to provide students with resources that will assist them with writing scientific papers as well as provide exemplar student work for review. The challenge of teaching an online course is the lack of direct contact to ensure student understanding. One of the adjustments that will be made for this assignment for the next semester will be to provide Group Course Project Topics for self-sign up and allow students to submit a Topic for approval. I will also allow students to submit the project individually with instructor approval. If this strategy does not increase overall performance on this assignment, I will consider making further adjustments to this assignment or develop an alternative assignment.</p>	<p>2022-01-07</p>	
<p>MATH/SCI >> Biology >> BIOL1500 >> Section 42 - Fall 2021</p>					
<p>I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.</p>	<p>Reflection</p>		<p>No Action Taken</p>		
<p>MATH/SCI >> Biology >> BIOL1500 >> Section 43 - Fall 2021</p>					

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I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	I think these non-majors students did a nice job reaching expectations. When it comes to this online class, I think they just need to be motivated and pushed. I implemented more announcements and exam prep quizzes to keep them on track. Currently I'm pretty satisfied. With very few exceptions, the only ones that did not reach expectations were those that failed to participate early on in the course and then throughout even with emails sent to me.	2022-01-12	
MATH/SCI >> Biology >> BIOL1510 >> Section 20 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	All students met expectations this semester, except one. They were a very bright group that worked together well. Perhaps they were enthused to be back in a classroom after covid.	2022-01-12	Name: Supplemental Instructors, Tutors, Graders. Detail: I am unsure of the amount. Status: Pending Name: Conferences and Workshops Detail: \$1,000 Status: Pending
MATH/SCI >> Biology >> BIOL1510 >> Section 21 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection		No Action Taken		
MATH/SCI >> Biology >> BIOL1510 >> Section 23 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	There seemed to be more students not meeting expectations and that correlates well with students who were absent for COVID reasons. I suspect some (not all) students used the more lenient approach to attendance due to COVID as a reason to miss class more than they normally would.	2022-01-12	
MATH/SCI >> Biology >> BIOL2201 >> Section 20 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	I wonder if the class were a 5 unit course if we would have more time to complete all of the material .	2022-01-12	
MATH/SCI >> Biology >> BIOL2202 >> Section 20 - Fall 2021					

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I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	Almost all students that put in effort met expectations. They were the most enthusiastic bunch I can remember. That said, there was a group of about 5 that were not engaged for a variety of reasons that have nothing to do with extra resources. I reached out to each throughout the semester and was not able to help with the wide variety of issues (health, depression, job, etc.) they were having.	2022-01-12	Name: Workshop Detail: \$1,000 Status: Pending
MATH/SCI >> Biology >> BIOL2250 >> Section 20 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	I required each student to build muscles within particular muscle groups on scheduled days so that those muscles could be used for review and as a reference for class quizzes and Exam #2. I produced several quizzes on muscle identification, muscle origin, and muscle insertion. Students used their clay manikens and numbered needle point pins to identify the muscle described to them orally based on clues related to muscle function and location. These quizzes were not graded but simply used to assess the progress students were making toward learning the identification of each muscle, as well as the origin, insertion, and action(s) of the muscles. This technique helped foster student understanding with respect to location, origin, insertion, and action of each muscle. I believe that having one maniken for each student placed more accountability on the student. Most students did an outstanding job of correctly building the assigned muscles but there were a few that did not and were required to rebuild. It would be highly beneficial to purchase more maniken models so that students could have the option of working independently. As of right now we do not have enough models to do this. The purpose of this assignment is to prepare students for the Muscle Identification Exam. This assignment attributed to 38 out of 41 students passing the exam with a C or better. Approximately 85% of my students earned an A or a B on the exam with only 7% failing.	2022-01-07	Name: Additional Clay Maniken Models, Clay, tools Detail: \$2500 Status: Pending Name: Little Muscle Man Somso Models Detail: \$2500 Status: Pending Name: Human Anatomy and Physiology Symposium Detail: \$2500 Status: Pending
MATH/SCI >> Biology >> BIOL2250 >> Section 21 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	Most students do reasonably well. I wonder if attending a Clay Manikin workshop would benefit the instructor perhaps resulting in an even higher success rate. Cost: \$2500	2022-01-12	
MATH/SCI >> Biology >> BIOL2250 >> Section 22 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	There seemed to be more students not meeting expectations and that correlates well with students who were absent for COVID reasons. I suspect some (not all) students used the more lenient approach to attendance due to COVID as a reason to miss class more than they normally would. I may need to follow up with the COVID response coordinator more to assure their missed attendance is valid. I hate to have to be like that, but their positive attendance in my class is critical to their success.	2022-01-12	
MATH/SCI >> Biology >> BIOL2250 >> Section 23 - Fall 2021					

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<p>I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.</p>	<p>Reflection</p>	<p>Anonymous</p>	<p>I required each student to build muscles within particular muscle groups on scheduled days so that those muscles could be used for review and as a reference for class quizzes and Exam #2. I produced several quizzes on muscle identification, muscle origin, and muscle insertion. Students used their clay manikens and numbered needle point pins to identify the muscle described to them orally based on clues related to muscle function and location. These quizzes were not graded but simply used to assess the progress students were making toward learning the identification of each muscle, as well as the origin, insertion, and action(s) of the muscles. This technique helped foster student understanding with respect to location, origin, insertion, and action of each muscle. I believe that having one maniken for each student placed more accountability on the student. Most students did an outstanding job of correctly building the assigned muscles but there were a few that did not and were required to rebuild. It would be highly beneficial to purchase more maniken models so that students could have the option of working independently. As of right now we do not have enough models to do this. The purpose of this assignment is to prepare students for the Muscle Identification Exam. This assignment attributed to 38 out of 41 students passing the exam with a C or better. Approximately 85% of my students earned an A or a B on the exam with only 7% failing.</p>	<p>2022-01-07</p>	<p>Name: Clay Maniken Models, clay and tools Detail: \$2500 Status: Pending</p> <p>Name: Little Muscle Man Somso Model Detail: \$2500 Status: Pending</p> <p>Name: Human Anatomy and Physiology Symposium Detail: \$2500 Status: Pending</p>
<p>MATH/SCI >> Biology >> BIOL2257 >> Section 20 - Fall 2021</p>					
<p>I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.</p>	<p>Reflection</p>	<p>Anonymous</p>	<p>All students that completed the assignment earned an A. N/A refers to an excused absence due to COVID.</p> <p>Attending Anatomy and Physiology Symposium: \$2500</p>	<p>2022-01-12</p>	
<p>MATH/SCI >> Biology >> BIOL2257 >> Section 21 - Fall 2021</p>					

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<p>I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.</p>	<p>Reflection</p>	<p>Anonymous</p>	<p>All physiology courses have incorporated the Biopac Student Lab System (BSL). With the incorporation of this new equipment, students are able to collect data more efficiently. The equipment allows more quantitative analysis of physiological events than would be possible from simple visual observation. This allows students to record events that cannot be observed directly. The Biopac software translates electrical information into graded recordings that appear on the computer screen and can be saved for further analysis by the students. The recordings allow students to compare varying intensities of the physiological events under different conditions.</p> <p>The physiology faculty has designed 6 new labs using the BSL system and Fall 2021 was the first semester to institute these labs. Lab 5 was previously performed using the PowerLab System. Based on student performance, the transition to BSL was highly successful. Students not only navigated through the lab more efficiently, but they also demonstrated a greater understanding of the concepts. Having equipment that is less temperamental and more user-friendly allows students to focus more on the data being gathered and less on equipment malfunction. As students' progress through the lab, they are given illustrations for proper set up as well as sample data figures. Students were able to gather the necessary data quickly which allowed for more time for analysis and discussion.</p> <p>All students are required to participate in lab and complete the Lab Activity handout based on data collection and analysis. All students that participated in this lab earned an A on the lab activity submitted. Each lab group demonstrated an understanding of the equipment used to gather EMG data and more importantly the significance of the data.</p>	<p>2022-01-07</p>	<p>Name: Tutoring Detail: Tutoring- We need in class tutors for physiology. Typically, students do not take advantage of my office hours to seek help. Perhaps having a student tutor would engage more students in receiving assistance with the material.</p> <p>Status: Pending</p> <p>Name: Human Anatomy and Physiology Symposium Detail: \$2500 Status: Pending</p> <p>Name: Paid Curriculum Development Hours Detail: -time for development of focus questions and lab reflection questions. - professional development to collaborate on effective lab investigations - updated lab equipment and lab investigation - Develop Anatomy and Physiology I course as well as Anatomy and Physiology II</p> <p>Status: Pending</p>
<p>MATH/SCI >> Biology >> BIOL2257 >> Section 22 - Fall 2021</p>					
<p>I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.</p>	<p>Reflection</p>	<p>Anonymous</p>	<p>There seemed to be more students not meeting expectations and that correlates well with students who were absent for COVID reasons. I suspect some (not all) students used the more lenient approach to attendance due to COVID as a reason to miss class more than they normally would. I may need to follow up with the COVID response coordinator more to assure their missed attendance is valid. I hate to have to be like that, but their positive attendance in my class is critical to their success.</p>	<p>2022-01-12</p>	
<p>MATH/SCI >> Biology >> BIOL2260 >> Section 20 - Fall 2021</p>					

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I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	I wonder if the students actually read the material.	2022-01-12	
MATH/SCI >> Biology >> BIOL2260 >> Section 21 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	I wonder if the students actually read the material.	2022-01-12	
MATH/SCI >> Biology >> BIOL2265 >> Section 20 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection	Anonymous	This course is offered in a synchronous format online. Students are required to attend lecture via zoom, but student engagement is difficult to attain. Most students choose to have their cameras off and are muted during lecture. Very few students engage during lecture or seek out help during office hours. Not surprisingly, the students who did not meet expectations did not engage with me throughout the semester. I plan to make changes to increase student participation and engagement. Such changes include requiring participation during lecture through use of surveys in zoom (I previously included embedded review questions in lecture and paused to ask if students had questions, but rarely did they engage). I would also like to add assignments in Canvas that require students to view each other's work and provide feedback to each other. I would like to see if increasing class participation and student engagement helps to improve outcomes.	2022-01-13	
MATH/SCI >> Biology >> BIOL2370 >> Section 40 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection		No Action Taken		
MATH/SCI >> Biology >> BIOL2370 >> Section 43 - Fall 2021					
I wonder what might be the reasons students are below expectations, and what if I made these changes to improve the outcomes? Please only consider the changes you have control over. Are additional resources needed? If so, please describe using the Resource Request drop down.	Reflection		No Action Taken		